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RESPONSE UNDER 37 C.F.R. 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 1756

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jathan D. Edwards Confirmation No. 7896

Serial No.:

09/730,246

Filed:

December 5, 2000

Examiner:

Martin J. Angebrannt

Group Art Unit:

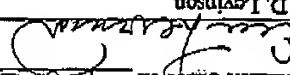
1756

Docket No.:

53868US02

Title:

REVERSE OPTICAL MASTERING FOR DATA STORAGE DISKS

CERTIFICATE UNDER 37 CFR 1.8 I hereby certify that this correspondence is being transmitted via facsimile to the United States Patent and Trademark Office on 19 Dec. 2003.
By: 
Name: Eric D. Levinson

AMENDMENT

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Final Office Action mailed October 27, 2003, the period of response for which runs through January 27, 2003, please amend the application as follows.

Amendments to the Claims are reflected in the listing of claims which begins on page 2

of this paper.

Remarks begin on page 6 of this paper.

Application Number 09/730,246
Reply to Office Action of October 27, 2003

using a laser, the laser defining a spot size; and

exposing the photosensitive material to developer solution, wherein the specified thickness of photosensitive material, the controlled amount of optical energy, and the exposure to developer solution collectively define on the master an inverse of a desired replica pattern, the desired replica pattern defining a track pitch less than 2 multiplied by the spot size of the laser, wherein the laser spot size is defined by a full width at half maximum intensity according to an equation $(\text{constant}) (\lambda) / (NA)$, where the constant is approximately equal to 0.57, λ is a wavelength associated with the laser and NA is a numerical aperture used in the laser etching.

55. (Previously Presented) The method of claim 54, the desired replica pattern defining a track pitch less than 1.6 multiplied by the spot size of the laser.